

Title (en)

Cold spray nozzle built with polybenzimidazole

Title (de)

Kaltgasspritzdüse gefertigt mit Polybenzimidazole

Title (fr)

Buse pour pulvérisation à froid fabriquer avec polybenzimidazole

Publication

**EP 1462546 A2 20040929 (EN)**

Application

**EP 04251409 A 20040311**

Priority

US 40142703 A 20030328

Abstract (en)

A nozzle (4) for use in a cold spray technique has a passageway (18) for spraying a powder material, the passageway (18) having a converging section (100) and a diverging section (102), and at least the diverging section (102) being formed from polybenzimidazole. In one embodiment of the nozzle, the converging section (100) is also formed from polybenzimidazole. <IMAGE>

IPC 1-7

**C23C 24/00**; **B05B 1/00**

IPC 8 full level

**B05B 7/04** (2006.01); **B05B 1/00** (2006.01); **B05B 1/02** (2006.01); **B05B 7/14** (2006.01); **C23C 24/04** (2006.01)

CPC (source: EP KR US)

**B05B 1/00** (2013.01 - EP US); **B05B 1/02** (2013.01 - KR); **B05B 7/1422** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US); **Y10S 239/19** (2013.01 - EP US); **Y10T 428/139** (2015.01 - EP US)

Cited by

EP2014794A1; CN106367750A; CN103521404A; DE102008059334A1; US11898986B2; US8268237B2; DE102007032021A1; EP2014795A1; DE102007032022A1; US11935662B2; US8544769B2; US8973523B2; US11662300B2

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**EP 04251409 A 20040311**; AT 04251409 T 20040311; DE 602004000936 T 20040311; JP 2004048890 A 20040225; KR 20040017106 A 20040313; MX PA04002859 A 20040326; RU 2004104441 A 20040217; SG 200401070 A 20040304; TW 93104759 A 20040225; US 40142703 A 20030328